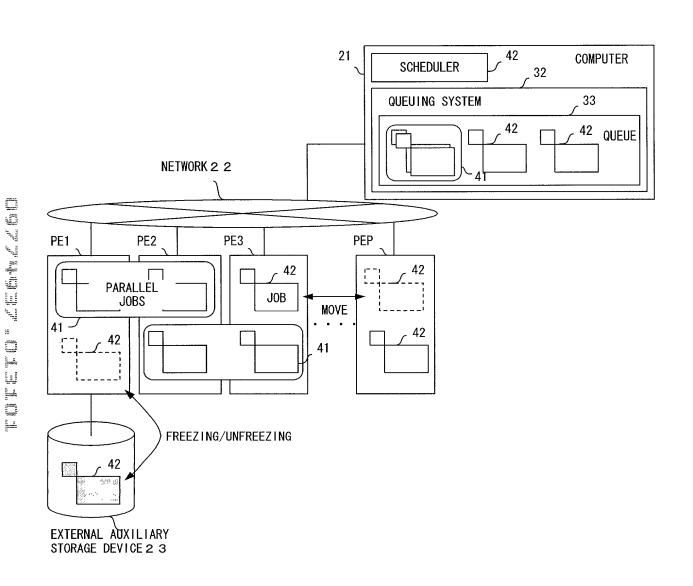
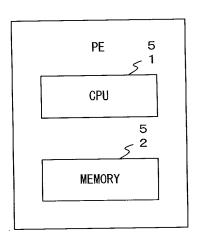


FIG. 1



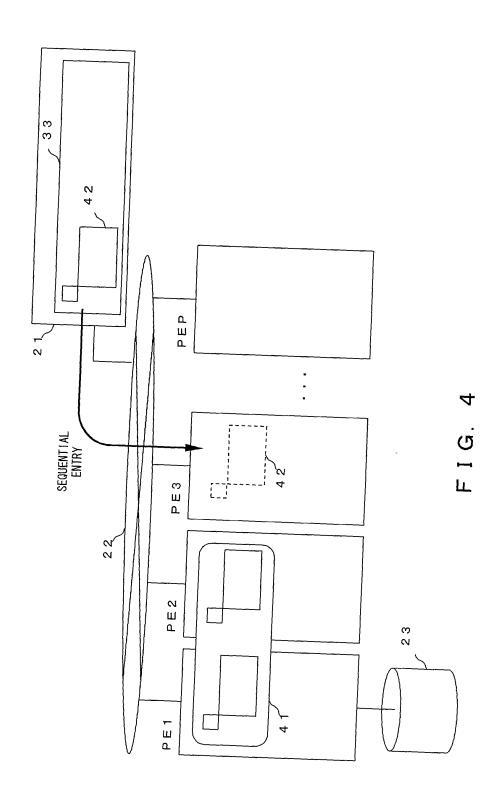
F I G. 2

SCHEDULING APPARATUS PERFORMING ... Koichiro Yamashita Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1503.65173 Sheet 3 of 21 (312) 360 0080

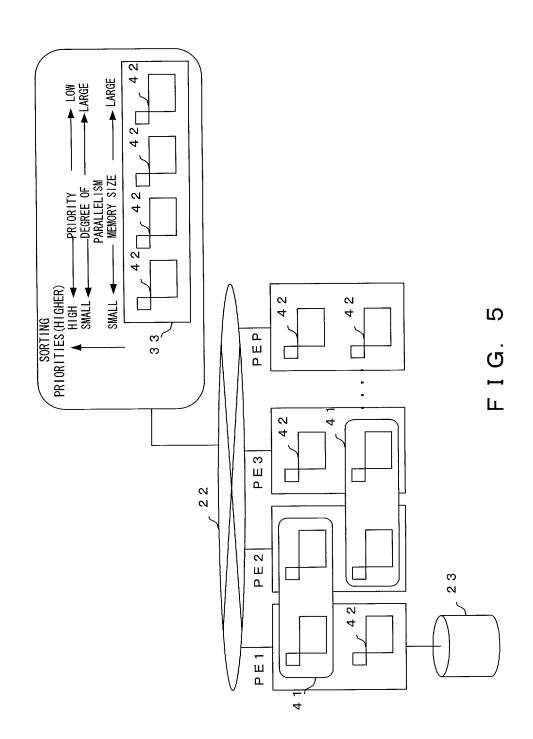


F I G. 3

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 4 of 21 (312) 360 0080



SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 5 of 21 (312) 360 0080



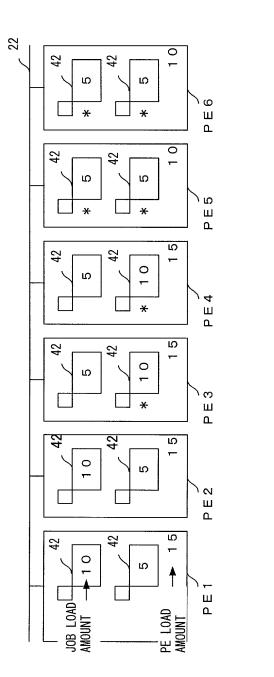
SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 6 of 21 (312) 360 0080

N 2 က က 2 9 က Ω 4 2 Ø INFORMATION TABLE ሲ ٦ . 4 2 $^{\circ}$ Ø 4 ПР F I G. 6 2 Д 5 Ø 4 PE3 Job_00 2 2 E 2 Д 23 4 2 Job_ZZ_do[PE1 4

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 7 of 21 (312) 360 0080

JOB NAME	JOB 1D	PRIORITY	DEGREE OF PARALLELISM	MEMORY SIZE	JOB ENTRY TIME	IDLE TIME
XX_d o i	105	ļ	9	100	990802083000	0
job_AA	110	-	8	100	990802090000	0
job_BB	107	-	9	20	990802084500	0
Y Y −d o į	66	2	8	100	990802080000	0
Job_ZZ	100	10	1	20	990802081000	5
Job_CC	123	10	2	22	990802081500	10

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 8 of 21 (312) 360 0080

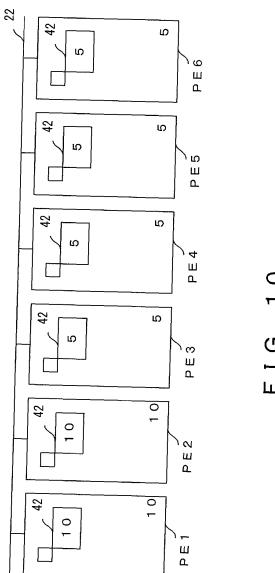


F I G. 8

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 9 of 21 (312) 360 0080

22 0 0 PE5 LIGHT 42 വ ග Ŋ 42 ល Ŋ PE3 D 42 0 PE2 HEAVY Ŋ 42 10 വ PE1 HEAVY

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 10 of 21 (312) 360 0080



SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 11 of 21 (312) 360 0080

42 SUSPENDED SUSPENDED 42 Ŋ Ю PE4 42 Ŋ Ŋ (1) Ш α. 10 42 0 0 Ш Ф 1 0 42 0

. Ш

ட

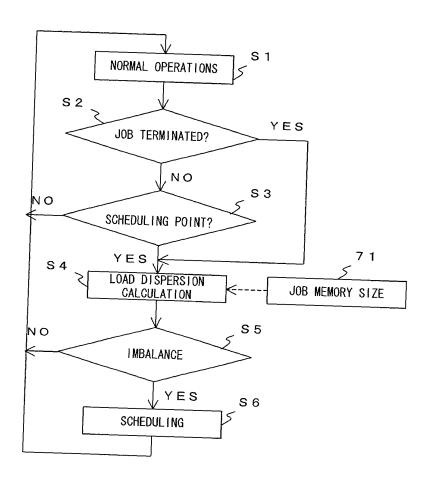


FIG. 12

Ref. No. 1503.65173 Sheet 13 of 21 (312) 360 0080

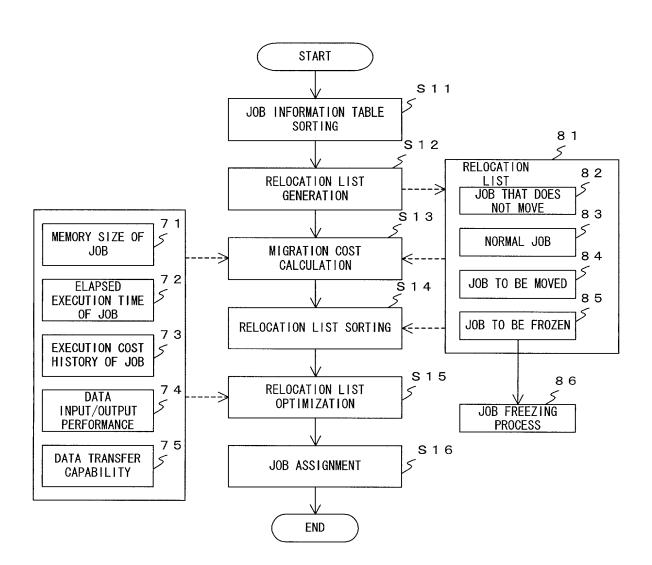


FIG. 13

SCHEDULING APPARATUS PERFORMING ... Koichiro Yamashita Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1503.65173 Sheet 14 of 21 (312) 360 0080

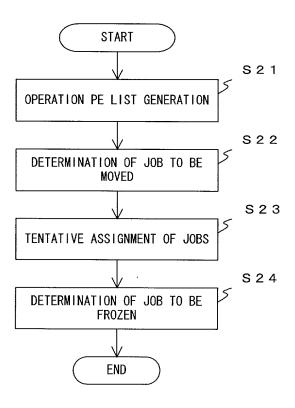
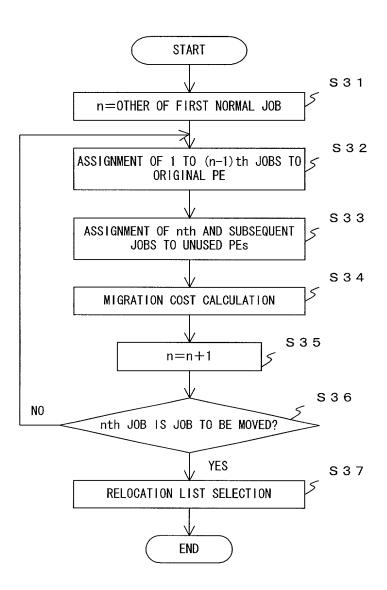


FIG. 14



F I G. 15

SCHEDULING APPARATUS PERFORMING ...

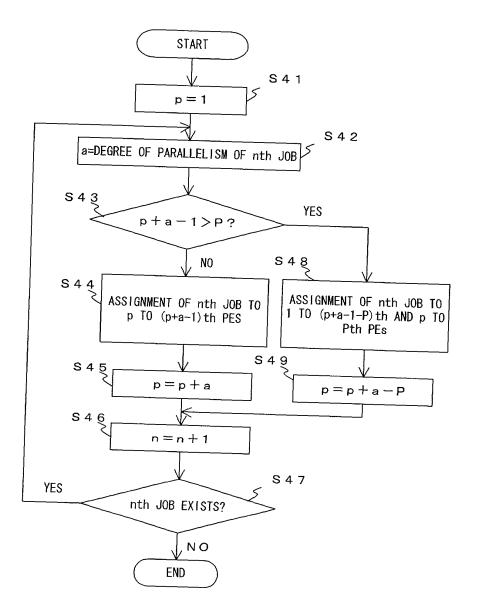
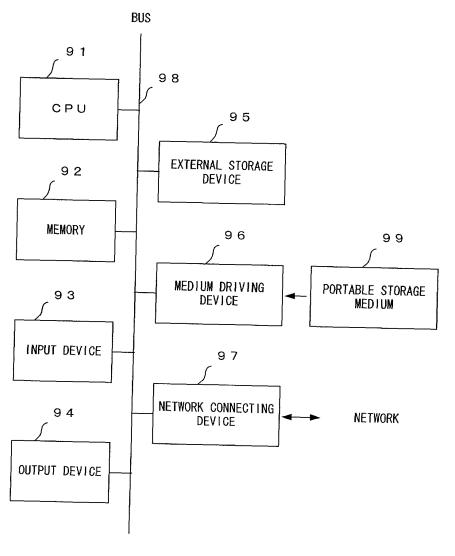
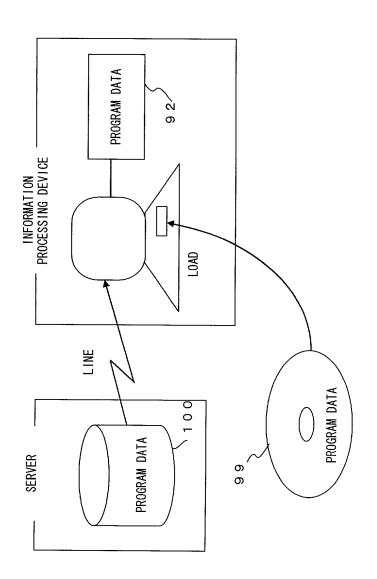


FIG. 16



FIG, 17

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 18 of 21 (312) 360 0080



F I G. 18

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 19 of 21 (312) 360 0080

	SEQUENTI AL EXECUTION	SEQUENTIAL SECUENTIAL SECUENTIAL	4	HERARCHICAL SCHEDULING	ILING
			80=25	§ 0=50	80=75
TOTAL EXECUTION TIME [sec]	8.56×10 ⁶	$8.56 \times 10^6 \ 6.22 \times 10^6$	5.48×10 ⁶	5.62×10 ⁶ 5.71×10 ⁶	5.71×10 ⁶
PERFORMANCE RATIO (SEQUENCE == 1)	1	0.72	0.64	0.65	99.0
PERCENTAGE OF MEMORY USE[%]	23	34	52	49	48

F I G. 19

SCHEDULING APPARATUS PERFORMING ... Koichiro Yamashita Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 1503.65173 Sheet 20 of 21 (312) 360 0080

	SEQUENT I AL	EQUENTIAL CHEDIII ING	-	IIERARCHICAL SCHEDULING	LING
	רארסווסו	מסבימר ססוורשמר וואמ	80=25	80=50	80=75
TOTAL EXECUTION TIME [sec]	6.12×10^6	6.12×10 ⁶ 5.62×10 ⁶	4.89×10 ⁶	4.89×10^6 4.10×10^6 5.01×10^6	5.01×10 ⁶
PERFORMANCE RATIO (SEQUENTIAL = 1)	1	0.91	08'0	0.67	0.82
PERCENTAGE OF MEMORY USE [%]	25	36	55	57	52

FIG. 20

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 21 of 21 (312) 360 0080

	SEQUENTI AL	EQUENTIAL OUGUE SCUEDII INC.	Ⅱ	II ERARCHICAL SCHEDULING	IL ING
	EVECOION	WUEUE SUIIEDULINA	80=25	\$ 0=50	80=75
TOTAL EXECUTION TIME [sec]	5.68×10 ⁶	5.68×10 ⁶ 5.49×10 ⁶	5.12×10 ⁶	5.03×10^{6} 4.78×10^{6}	4.78×10 ⁶
PERFORMANCE RATIO (SEQUENTIAL = 1)	-	0.97	06.0	0.88	0.84
PERCENTAGE OF MEMORY USE [%]	21	33	48	45	20

ட